

DOCKET NO.: MSFT-3943/127340.1
Application No.: 09/544,799
Office Action Dated: August 10, 2005

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-10. (Canceled)

11. (Original) A microelectrical mechanical actuator, comprising:
 - (a) a planar substrate;
 - (b) a first coil member having a first end fixedly coupled to the substrate and a second end that is decoupled from the substrate;
 - (c) a second coil member having a first end fixedly coupled to the substrate and a second end that is decoupled from the substrate and wherein the second ends of the first and second coil members are coupled together; and
 - (d) magnetic flux means located proximate the first and second coil members that provides a first magnetic flux, and wherein electrical current is conducted along the first and second coil members and thereby creates a coil magnetic flux in the first and second coils and the first magnetic flux is substantially opposed to the coil magnetic flux thereby causing the second ends of the first and second coil members to move relative to the substrate.
12. (Original) The microelectrical mechanical actuator of claim 11 wherein the first and second coils are conical helical coils.
13. (Original) The microelectrical mechanical actuator of claim 11 wherein the magnetic flux means is a permanent magnet located on a surface of the substrate opposed to a surface of the substrate on which the first and second coil members are located.
14. (Original) The microelectrical mechanical actuator of claim 11 wherein the magnetic flux means is a third coil member conducting current.
15. (Original) The microelectrical mechanical actuator of claim 11 wherein the magnetic flux means is a ferromagnetic material coupled to the substrate.

PATENT

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16. (Currently Amended) The microelectrical mechanical actuator of claim 11 further comprising a bridge that couples the second ends of the first ~~first~~ and second coil members.

Claims 17-38. (Canceled)